

**BRAKE SYSTEM WITH DISTRIBUTED  
ELECTRONIC CONTROL UNITS**

Abstract of the Disclosure

An electronically controlled braking system includes at least one central control unit operable to assign identifiers during an identifier assignment routine, a first distributed electronic control unit, a second distributed electronic control unit and a control network electrically connecting the at least one control unit, the first distributed electronic control unit and the second distributed electronic control unit.

The identifiers include a first identifier and a second identifier, with one of the first identifier or the second identifier being assigned to the first distributed electronic control unit and the other of the first identifier or the second identifier being assigned to the second distributed electronic control unit at least in part based upon the timing of a signal reaching, via the control network, the first distributed electronic control unit and the second distributed electronic control unit.

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